

HIGH-POWER MULTITASK AEROTHERMICS HEAT PUMP SERIE MUAMR-H14T

HOT WATER UP TO 80 °C

FEATURES:

- Fully hydraulic installation.
- Variable speed circulating pump.
- Low sound pressure level.
- Multiple uses: heating, cooling and/or Domestic Hot Water.
- Up to two configurable zones.
- Possibility of cascade installation of up to 6 units.
- Control included with schedule and weekly programming.
- Configurable anti-legionella mode.
- Hybridization with a solar thermal system that can be integrated into the panel.
- Smart Grid function for hybridization with a photovoltaic solar installation.

MUNDCLIMA®
R-290

A+++

Gas
R290
More
eco-friendly



26 to 35 kW

Code: CL45230

HIGH PERFORMANCE AT LOW OUTDOOR TEMPERATURES:



Hot water at 70 °C with outdoor temperature of -25 °C



Hot water at 80 °C with outdoor temperature of -20 °C

Wired control with WiFi

Modbus



KJRH-120LBMWFNKDOU-E
(CL09209)
Included

WIFI CONNECTION FOR CONTROL VIA APP

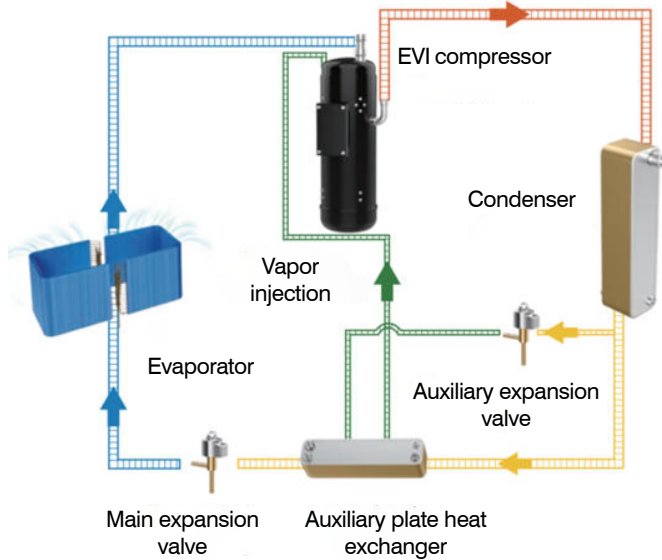
download application "LetComfort!"



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HIGH EFFICIENCY AT LOW TEMPERATURES:

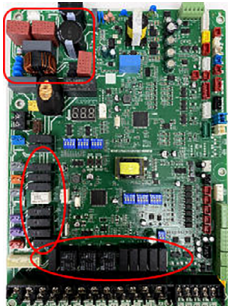


Thanks to the DC inverter EVI scroll compressor (Enhanced Vapor Injection) and the auxiliary plate heat exchanger, an improvement in refrigerant circulation and heating capacity at low temperatures has been achieved.

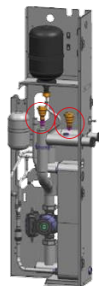
The auxiliary expansion valve controls the liquid injection rate into the auxiliary plate heat exchanger to ensure an optimal discharge temperature.

HIGH SAFETY:

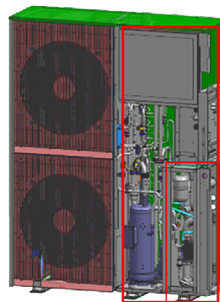
Explosion-proof relays and electronic components



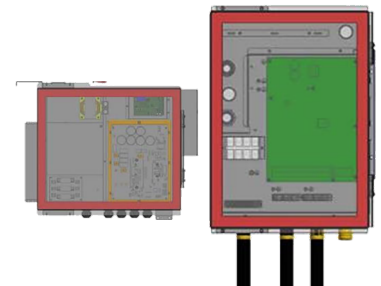
Double air purger



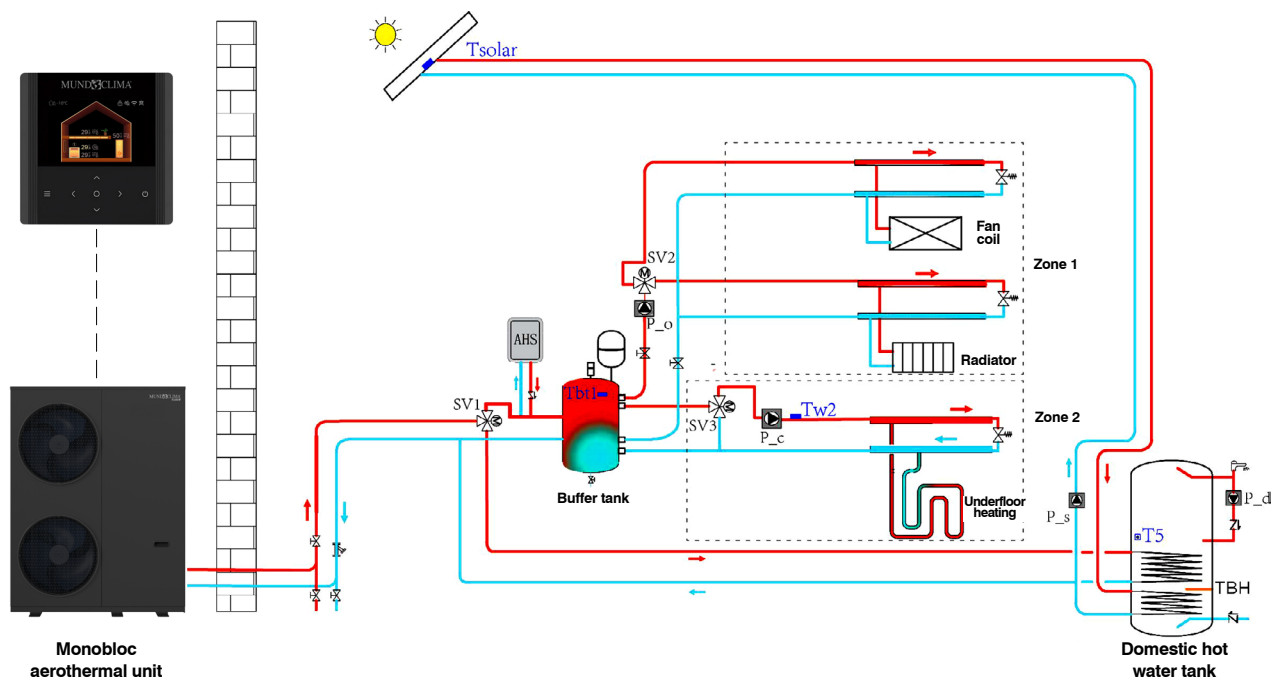
Hydraulic system separated from the refrigerant system



Fully sealed electrical box (IP55)



SCHEME:



HIGH-POWER MULTITASK AEROTHERMICS HEAT PUMP SERIE MUAMR-H14T



SPECIFICATIONS:

Model				MUAMR-26-H14T	MUAMR-30-H14T	MUAMR-35-H14T	
Code				CL45230	CL45231	CL45232	
EAN Code				8432953084219	8432953084226	8432953084233	
Heating (medium zone)	Conditions 1 Air: 7 °C / 85% RH Water: 30 / 35 °C	Capacity	kW	26.00	30.00	35.00	
		Consumption	kW	5.45	6.67	8.40	
		COP			4.77	4.50	4.17
		SCOP			4.95	4.92	4.48
		ηs	%	194.90	193.80	176.30	
		Energy label			A+++	A+++	A+++
	Conditions 2 Air: 7 °C / 85% RH Water: 40 / 45 °C	Capacity	kW	26.00	30.00	35.00	
		Consumption	kW	6.82	8.26	10.05	
		COP			3.81	3.63	3.48
		Conditions 3 Air: 7 °C / 85% RH Water: 47 / 55 °C	Capacity	kW	26.00	30.00	35.00
			Consumption	kW	7.85	9.57	11.75
			COP			3.31	3.13
	SCOP			3.84	3.79	3.63	
	ηs		%	150.70	148.70	142.40	
	Energy label			A+++	A++	A++	
Cooling	Conditions 4 Air: 35 °C Water: 23 / 18 °C	Capacity	kW	26.00	30.00	35.00	
		Consumption	kW	5.60	6.80	8.50	
		EER			4.64	4.41	4.12
		SEER			7.17	6.80	6.43
	Conditions 5 Air: 35 °C Water: 12 / 7 °C	Capacity	kW	26.00	30.00	32.00	
		Consumption	kW	8.40	10.70	11.98	
		EER			3.10	2.80	2.67
		SEER			5.21	4.99	4.82
Plate heat exchanger	Water flow (min ~ max)		m³/h	1.2 ~ 5.4	1.2 ~ 6.2	1.2 ~ 7.2	
Water pump	Model			SHIMGE APF25-12-130E FPWM1			
	Head height		m	12	12	12	
Hydraulic connections	Inlet/outlet water		mm	DN32	DN32	DN32	
Expansion vessel volume			L	5	5	5	
Safety valve			MPa	0.3	0.3	0.3	
Fan	Air flow rate		m³/h	10500			
Compressor	Brand			GMCC			
	Model			DKDA110DGA-SA1S			
Sound pressure			dB (A)	54.8	61.3	61.7	
Sound power			dB (A)	69	74	75	
Dimensions (W x H x D)			mm	1384 x 1816 x 523			
Weight			kg	260			
Refrigerant	Type / GWP			R290 / 3			
	Charge		kg	2.90			
	CO ² equivalence		TCO ₂ eq	0			
Electrical Data	Power supply		V-Hz-Ph	380 ~ 415 V / 3 Ph / 50 Hz			
	Rated / max. intensity		A	28 / 40	30 / 40	32 / 40	
	Power cable (*)		mm ²	4 x 10 + T			
Operating temperature range	Cooling		°C	-15 ~ 48			
	Heating		°C	-25 ~ 43			
	DHW		°C	-25 ~ 43			
Water supply temperature range	Cooling		°C	5 ~ 25			
	Heating		°C	25 ~ 80			
	DHW		°C	20 ~ 75			

Note:

(1*) Recommended power wiring for L < 20 m, should be calculated according to the conditions of each installation.